

THE BUREAU OF RECLAMATION PRESENTS AN AFTERNOON WITH INDUSTRY FOCUSING ON ELECTRICAL ENGINEERING

On October 17, 2014, the Bureau of Reclamation's Technical Service Center (TSC) in Lakewood, Colorado will be holding an information session for electrical engineers. During this afternoon with industry, electrical engineers will have the opportunity to talk with practicing electrical engineers and gain a better understanding of the roles that electrical engineers play within the Bureau of Reclamation. The afternoon will end with a tour of our facility including our electrical lab and high voltage work area.

BACKGROUND:

The Bureau of Reclamation owns, operates, and maintains 58 powerplants in the western 17 United States including Grand Coulee, Hoover, Glen Canyon and Shasta Powerplants. With an installed capacity of over 14 million kilowatts (that's 14 gigawatts) in five regions, Reclamation is the second largest producer of hydroelectric power in North America. Reclamations generators range in size from 1,283 kilowatts to 826 megawatts providing a unique opportunity to work on generators of all sizes. In addition, Reclamation has pumps and pump/generators allowing for the operation of pumped storage facilities where water is pumped into an upper reservoir during the evening when the cost of electricity is inexpensive and then generating with the same water during the day when the price and demand of electricity is at a premium.

The TSC in Lakewood, Colorado is a central office location that provides support to all five of our regions. The Electrical Design Group provides design support, including drawings, technical specifications, technical contact administration, construction/installation support, and factory inspection services. The Power System Analysis and Control Group maintains expertise in hydroelectric powerplant control, excitation systems, relay settings, and arc flash analysis. Finally, the Hydropower Diagnostics and SCADA group provides services related to diagnostics, troubleshooting, Operation and Maintenance, communication, and automation of power facilities including generators, transformers, protection systems, and other equipment located at our facilities.

Reclamation engineers have the ability to work on everything from millivolts to kilovolts depending on the work that needs to be completed that day. In addition to typical work, applied research programs allow our employees to innovate, create, and give back to society. Our electrical engineering lab provides the tools necessary to conceptualize and then prototype ideas while our facilities offer a real-world test bed to test these ideas.

 [See next page for details](#)



AN AFTERNOON WITH INDUSTRY FOCUSING ON ELECTRICAL ENGINEERING

will be held on Friday, October 17, 2014

from 1:00 to 3:00 p.m.

on the Denver Federal Center. Lakewood

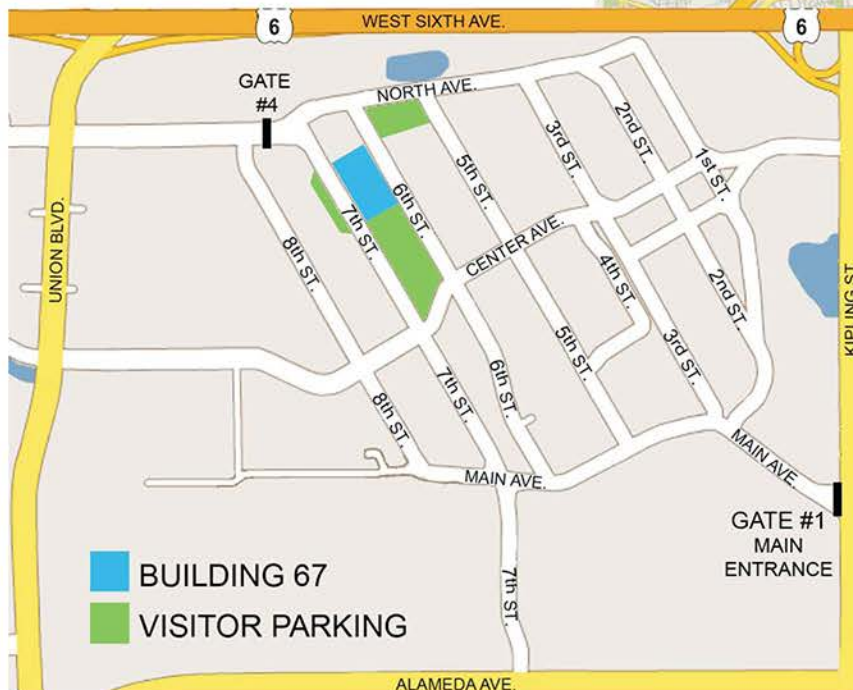
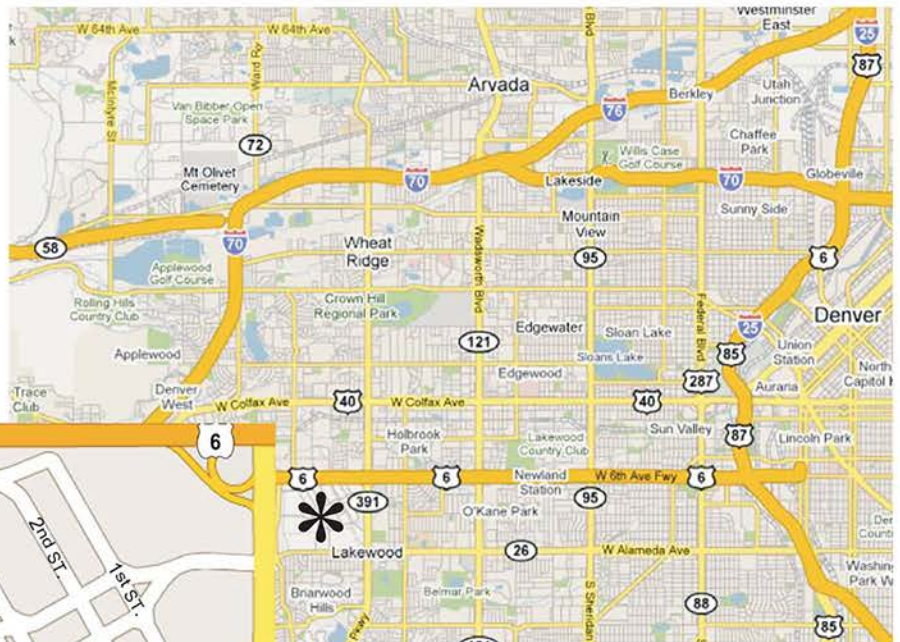
in the Rio Grande Room, Lobby level of Building 67.

To attend this event, please RSVP with Eventbrite **Eventbrite**

www.eventbrite.com/e/electrical-engineering-afternoon-with-industry-event-tickets-13579052311

Directions: The Denver Federal Center is on Kipling between 6th Avenue and Alameda. Visitors must stop and show identification, (i.e, government ID or a driver's license) to enter. Please be prepared to present a valid driver's license and current vehicle registration at the gates. Gate 1 at Kipling near Alameda Ave., and Gate 4 at Union Blvd. and Fourth Ave. Building 67 is the tall office building in the northwest corner of the Federal Center. Building 56 is due east across the street from Building 67. Parking throughout the DFC is open to visitors unless specifically designated. Visitors parking is available on the north side of Building 56 and on the south side of Building 67.

Identification must be shown upon entering buildings as well.
Visitor entrance to Building 67
(6th St. and North Ave. in DFC)
is on the south side.



**Denver Federal Center
6th and Kipling
Rio Grande Conference Room
Building 67, Lobby Level
Denver, CO 80225**

Contact Christi Young,
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for more information.